CPSC 2600 Assignment 5: Client-side routing with React Router

Learning goal:

• Learn how to use the React Router library to implement client-side routing.

Setup and prerequisites:

- 1. Please watch this week's lecture videos and complete the readings/tutorial videos assigned.
- 2. You can continue from where you left off in assignment 4 (or 3). You may also choose to use the starter files provided in the assignment folder.

Task: Client-side routing with React Router

1. Install react-router-dom version 5.3.0 in your todo list app.

```
npm install react-router-dom@^5.3.0
```

Note: It is important that you install v5.3.0. There are some breaking changes in the latest version (v6) of React Router which may conflict with the instructions that follow.

2. Import { BrowserRouter} from react-router-dom in index.js and wrap your < App/> component with < BrowserRouter>

- 3. Create a component named **Home.js**. You should copy over everything from your old **App.js** file.
 - Remember to rename references from **App.js** to **Home.js**. You may also need to fix a few relative paths in the imports.
- 4. Create a component called About.js.
 - You can have some placeholder text returned from this component.
- 5. Create a component called **Error.js**. This component should return:
 - <h1>0ops! Page not found!</h1>
- 6. Create a component called Navbar.js.
 - Return a <nav> with Links to Home and About.

- 7. Clean up your **App.is** file, provide links to Home and About routes:
 - Import { Route, Switch } from 'react-router-dom' in App.js
 - o Import the Home, About, Navbar and Error components into the App.js file.
 - Wrap your routes with <Switch>. You should have routes for Home, About and Error.
 - Your App.js file should look something like this:

1.

8. Try running your react app and navigate to the about page and home page using the navbar. Try entering an incorrect URL like http://localhost:3000/aa and check if the Error> component is rendered.



Hand In:

Zip your assignment directory and submit your work in the Assignment 5 folder.

• When you zip your directory, remember to exclude the node modules folder. The marker will download your submission, install the node modules and run your app.

Checklist:

- [5 marks] Routes to Home, About and Error pages implemented

Total: 5 marks